

**Amendments to the Drawings:**

The attached sheet of drawings includes a change to Fig. 2. This sheet, which includes Figs. 1, 2 and 3, replaces the original sheet including Figs. 1, 2 and 3. In Fig. 2, the direction of current flow in conductor 24 has been corrected.

Attachment: Replacement Sheet  
Annotated Sheet

### **REMARKS/ARGUMENTS**

Reconsideration of this application is requested. Claims 1-3, 5-11, 13-17, 19-23 and 25 remain in the application. Claims 4, 12, 18 and 24 have been canceled. New claims 26-29 have been added. The new claims relate to the recording head illustrated in FIG. 3 and described in paragraphs [0025] and [0026].

Claims 1, 9, 15 and 21 have been amended to include the features originally found in canceled claims 4, 12, 18 and 24.

In Section 1 of the Detailed Action portion of the Office Action, the Examiner notes that the direction of current in conductor 24 of FIG. 2 would not produce the desired field 26. This comment has been addressed through the amendment of FIG. 2, wherein the current in conductor 24 is shown as flowing into the plane of the page.

In Section 3 of the Detailed Action portion of the Office Action, claims 1-3, 5-11, 13-17, 19-23 and 25 have been rejected under 35 U.S.C. §102 as being anticipated by Ito (U.S. Patent No. 6,728,080). This rejection is traversed through the amendment of claims 1, 9, 15 and 21 to include the features originally found in objected to claims 4, 12, 18 and 24. All other claims remaining in the application depend from one of claims 1, 9, 15 and 21.

In Section 4 of the Detailed Action portion of the Office Action, claims 4, 12, 18 and 24 have been objected to as being dependent upon a rejected base claim, but allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Amended claims 1, 9, 15 and 21 are equivalent to claims 4, 12, 18 and 24 rewritten in independent form.

New claim 26 includes a combination of elements not shown or suggested by the cited references. For example, claim 26 includes a transmission line positioned adjacent to the phase transition material portion, wherein current flowing in the transmission line applies a magnetic bias field to the phase transition material. New claims 27-29 depend from new claim 26, and therefore also include this feature.

All claims in the application are believed to be in allowable form.  
Allowance of the application is requested.

Respectfully submitted,

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